



DEPARTMENT OF THE NAVY
COMMANDER NAVAL RESERVE FORCES COMMAND
4400 DAUPHINE STREET
NEW ORLEANS, LOUISIANA 70146-5100

COMNAVRESFORCOMINST 5450.2

N5

20 MAY 2003

COMNAVRESFORCOM INSTRUCTION 5450.2

Subj: MANAGEMENT OF SPACE, NETWORK AND NETWORK WARFARE RESERVISTS

Ref: (a) OPNAVNOTE 5450 of 17 March 2002
(b) Report of the Panel to Review Naval Space: Space Capabilities for Critical Mission Support, March 2002
(c) Assistant Secretary of the Navy Memorandum of 10 April 1999, SPAWAR Space Field Activity (SSFA) and Department of the Navy/National Reconnaissance Office Coordination Group
(d) SECNAVINST 5400.39B

Encl: (1) Organizational Chart

1. Purpose. This instruction defines the organizational structure and the scope of operations of the Naval Reserve (NR) programs, aligned under the Naval Network Warfare Command (NETWARCOM), specifically the NR Space and Network Warfare Program and the NR Networks Program.

2. Cancellation. COMNAVAIRESFORINST 5450.10A

3. Background

a. Space-based communications, navigation and meteorological capabilities and space-derived Intelligence, Surveillance and Reconnaissance (ISR) data are integral to naval warfighting. These capabilities support naval operations in all warfare areas, and are essential in the conduct of time-critical strike, ballistic missile defense, and combat search and rescue. Space/ISR information, and the network architecture that integrates them for data delivery and warfighter connectivity, form the foundation of the fleet's network centric warfare capability and are key to FORCENet and Sea Power 21.

b. The Navy's increasing emphasis on network centric warfighting has resulted in the establishment of NETWARCOM; reference (a) pertains, as the Navy's central authority for space, networks, and Information Operations (IO). To best address NR support to the fleet's network centric warfighting needs, the NR programs that focus on space, networks, and network warfare have been aligned with NETWARCOM as shown below:

(1) Space and Network Warfare: Space/ISR data and fleet integration; Information Warfare

(2) Networks: Command and Control Communications

Other NR programs associated with NETWARCOM include programs that focus on Cryptology and IO, and Command, Control, Communications and Computers (C4)/IT Fleet Support. These programs are aligned under the Naval Security Group and the Space and Naval Warfare Systems Command, respectively.

c. Due to the specialized nature of the space/ISR and network warfare domain, the active duty Navy has acknowledged the need to proactively manage

20 MAY 2003

the officers, enlisted, civilian, and Reserve personnel with space expertise within the Department of the Navy; i.e., Space Cadre development as defined in reference (b). In support of the Navy's Space Cadre goals, the NR Space and Network Warfare Program is responsible for building and nurturing a cohesive NR force with space expertise to support naval acquisition, integration and employment of space/ISR mission must be administratively organized under the NR Space and Network Warfare Program to ensure personnel professional development and career path tracking.

d. The NR NETWARCOM unit provides comprehensive space, networks and IO Reserve support directly to NETWARCOM HQ and will operate administratively under NR Space and Network Warfare Program. Other gaining commands currently supported by NR Networks Program and NR Space and Network Warfare Program are listed in the table below.

Networks Program	Space and Network Warfare Program
NCTAMSLANT and Detachments	U.S. Strategic Command (USSTRATCOM) *
NCTAMSPAC and Detachments	Chief of Naval Operations (CNO)
NCTAMSEURCENT and Detachments	Naval Network and Space Operations Command (NNSOC)
	Space and Naval Warfare Systems Command (SPAWAR)+
	Fleet Information Warfare Command

* Resource Sponsor is CNO N1J

+ SPAWAR space/ISR focused units support the SPAWAR Space Field Activity (SSFA) and the PPD-14/PEO Space and are part of NR Space and Network Warfare Program, reference (c) pertains. SPAWAR is ADDU to NETWARCOM for space and C4I activities.

4. Mission. Per the Navy Space Policy, reference (d) and other guidance, the Navy's space and network missions include the following:

a. Integrate space capabilities and space-derived information into every facet of naval operations to the lowest tactical level.

b. Coordinate and assess the Navy operational requirements for and use of space, networks, and IO.

c. Serve as the operational forces' advocate in the development and fielding of space, networks, and IO capabilities.

d. Fully exploit the combat advantages which space and network systems provide and ensure effective maritime use of space capabilities.

e. Provide space and network training, education, and exercise support.

f. Provide Information Warfare/Command and Control Warfare support to naval forces worldwide by providing skilled IO teams to deploying Fleet staffs and naval units.

g. Operate a secure and interoperable naval network that will enable effects-based operations and innovation.

20 MAY 2003

5. Objectives

a. Naval Reserve programs contribute to the Navy's space and network mission by providing qualified Selected Reserve (SELRES) personnel to fill the gaining command's needs for mobilization, augmentation, and peacetime contributory support. By working together, NR Networks and Space and Network Warfare Programs will better support NETWARCOM's end-to-end mission needs across the space, networks and IO spectrums, to include:

- (1) Requirements, plans and policy
- (2) Research, development and acquisition
- (3) Fleet exercises, experiments and concept demonstrations
- (4) Operating the secure and interoperable naval network
- (5) Fleet training and education, to include introduction of new space and network warfare capabilities
- (5) Direct ISR support to fleet operations

b. NR Space and Network Warfare Program will develop and foster a "community" of SELRES with specialized expertise in space/ISR policy, requirements, engineering, integration, exploitation, training, and operations. This is complicated by the highly classified nature of the technology and information sources and by the fact that there is no single designator or enlisted rating for space. The challenge for NR Space and Network Warfare Program is to blend officers with various designators; e.g., unrestricted line, information professional, cryptology, intelligence, engineering duty, etc., and enlisted personnel from many ratings into an effective force that provides and integrates space/ISR information for fleet operations.

c. NR Networks Program will develop and foster SELRES with specialized expertise in command and control communications and network architecture design and maintenance. The officers supporting NR Networks will include unrestricted line officers and information professionals. Enlisted personnel will include, but not be limited to, the IT, ET, and OS ratings to provide mobilization requirements and contributory support the active Navy in support of SP-21 and FORCEnet.

d. Future Reserve units having a predominant space/ISR and network warfare focus are expected to be administratively assigned to the NR Space and Network Warfare Program; e.g., the planned Littoral Surveillance System - Joint Fires Network units.

6. Program Organization

a. Program Directors. The program directors for both the NR Networks and NR Space and Network Warfare Programs will be senior, post-command SELRES captains from the NETWARCOM Reserve unit. They will be assigned additional

20 MAY 2003

duty to maintain administrative oversight over their respective NR programs. These program directors will act as the "functional wing/type commanders" and therefore must have leadership experience within their respective "communities" or in a directly related field.

b. Structure. As depicted in enclosure (1) of this instruction, each program director is responsible to the NETWARCOM Reserve Deputy Commander for ensuring a cohesive, dedicated SELRES force with the functional expertise needed to accomplish their respective mission.

7. Action. Tasks and functions for administrative support are as follows:

a. Commander, Naval Reserve Forces Command (COMNAVRESFORCOM) will exercise overall management control of the Reserve programs current policies. The COMNAVRESFORCOM staff will provide support for unit establishment and movement, manpower redistribution, and structuring. Where required and available, COMNAVRESFORCOM will provide dedicated Naval Reserve resources (ADT, IDTT, and extra drills) to help these Reserve programs succeed.

b. The program directors will provide resource planning and community focus for their respective programs. Specific responsibilities include:

(1) Provide cross-program coordination of contributory support to maximize Reserve contributions to all gaining commands and the Navy's space and network missions.

(2) Provide mechanisms to ensure standards and professional development of personnel as a "community" of space/ISR and network experts; e.g., leadership conferences, assist visits and symposia.

(3) Support selection boards for Naval Reserve command and O5/O6 non-command billets by drafting precepts, providing board representation, and coordinating with gaining command Reserve Liaison Officers (RLOs) and Naval Reserve activities to develop relevant billet comments.

(4) Promote collaboration among other Naval Reserve programs on space, networks and, IO mutual support issues.

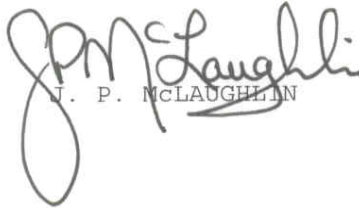
(5) Develop program policy and procedures to facilitate carrying out intra- and interprogram responsibilities in pursuit of gaining command needs and the Navy's space and network mission.

(6) In conjunction with the individual unit commanding officers (COs), coordinate with gaining command RLOs regarding ADT and IDTT allocations and manpower issues.

c. COs of NR Networks and Space and Network Warfare Program units are responsible for providing Reserve support to the best advantage of their

20 MAY 2003

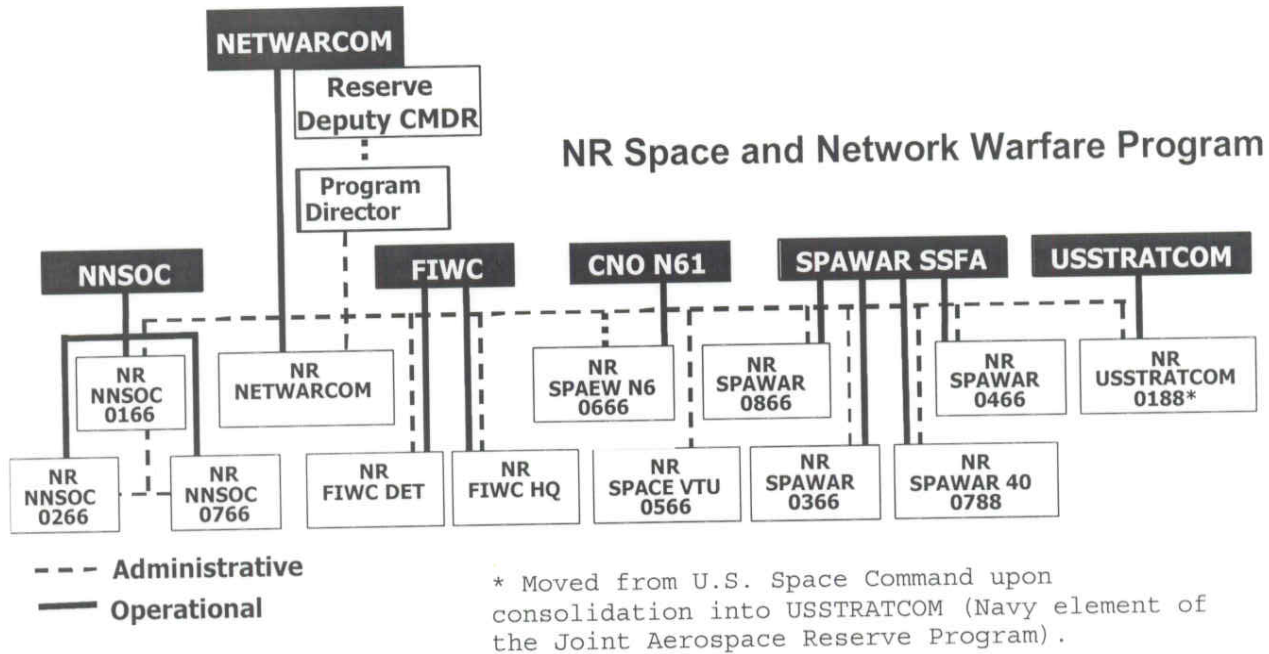
gaining command's missions. They also will participate with their program directors on matters relating to NR space, networks and network warfare community development.


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CNO (N1J and N61)
HQ USSTRATCOM
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NCTAMSPAC
NCTAMSLANT
NCTAMSEURCENT
FIWC HQ
FIWC Detachment

NR Space and Network Warfare Program Units and Organization

NR Space and Network Warfare Program units support several gaining commands and are organized as presented in the figure below.



NR Networks Program Units and Organization

NR Networks Program units support several gaining commands and are organized as presented in the figure below.

